NikhilNeela Neela | Resume

Software Engineer – Mobile App Developer Android & IOS

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Summary

I am Polyglot Software Engineer experienced in building high performance systems in a fast paced dynamic environments. I am focused on building scalable low latency backend systems, large data analysis pipelines, machine learning algorithms and container first infrastructure.

Education

Indian Institute of Technology Bombay   **B. Tech, Computer Science & Engineering**

Key Courses: Web Search & Data Mining, Distributed Systems, Advanced Databases, Functional Programming and Performance Thoery.

Scores: 127th at IIT-JEE & 459th at AIEEE   **Scholarships**: CBSE & IIT Bombay heritage fund scholarships

Skills

Proficient: Java, Python & SQL   **Intermediate**: C++, Scala & Shell Scripting

Libraries & Frameworks: Akka, RxJava, Android & Boto   **Systems**: Elasticsearch, Postgres, Apache Spark & Nginx

Dev Ops: Ansible, Jenkins, Docker, Logstash & StatsD   **Tools**: Gradle, SBT & CMake

Interests & Expertise

○ building robust scalable high performance backends for modern rest services and infrastructure scaling, automation & management.
○ experience working with product and business stake holders to define specifications & contributing to defining technical roadmap.
○ in-depth knowledge of multiple programming langues, programming paradigms & industry best practices in backend systems.
○ experience building systems from scratch & improving existing systems through systematic architectural & performance improvments.
○ experienced in leading small teams & mentoring team members, contributing to technology, product & process initiatives.

Experience

Grofers   **Gurgaon, India**

Lead Engineer, Consumer Team   *Feb, 2016 – Present*

○ leading the engineering efforts for api's powering catalouge navigation, search & product recommendations.
○ designed & implemented services to power recommendations for reordering products based on user's purchase history.
○ designed & implemented data pipeline to perform analysis & indexing tasks on datasets on S3 & Redshift using Apache Spark.
○ lead the transtion of grofers apis to HTTP2. contributed to: switch to WebP & elasticsearch tuning

Adobe   **Bengaluru, India**

Member of Technical Staff, Creative Cloud Team   *Feb, 2015 – Feb, 2016*

○ 🤖 Adobe Shape: designed overall application architecture, implemented the base UI components & build infrastructure.
○ 🤖 Adobe Capture: designed & implemented the raster to vector conversion, vector editor & vector stylizer components.
○ worked extensively on optimising C++ code, data passing via JNI & fixing GC pauses & concurrent and parallel programming.
○ contributed to overall team effectiveness by mentoring team members, helping with code reviews, improving build performance by 10x, setting up CI using Jenkins, internal maven repository & setting up static anlysis as a part of the CI.

iam+   **Remote**

Sr. Software Engineer, Intelligence & Platform teams   *Nov, 2013 – Jan, 2015*

○ built a voice assistant for smartwatch for performing basic tasks as composition of FSMs using Akka & parsing using ANTLR.
○ worked on adopting & tuning location services, package manager and network manager android frameworks for the watch.
○ built a maps app using ESRI SDK, app for controlling keynote and built the authentication ux for social apps on the watch.

Global Analytics   **Chennai, India**

Software Engineer, R&D Team   *July, 2012 – October, 2013*

○ rewrote internal ETL DSL interpreter to be data parallel by modelling computation as a DAG improved performance by 25x.
○ improved the accuracy of credit risk models using PCR & PLS Regression(5%) and ensembling using Random forests(8%).

Yahoo!   **Bengaluru, India**

Software Development Intern, Vertical Intent Search Team   *May, 2011 – July, 2011*

I was offered an internship with Yahoo's search team upon my success at their HackU hackathon. I worked on building question answering engine prototype, where I built the query parser using Stanford NLP and query execution module on top of Neo4J.